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PPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO. CONFIRMATION		
10/629,448	07/29/2003	Bhooshan Prafulla Kelkar	CHA9 2003 003 US1	5732	
7590 03/20/2006			EXAMINER		
International Business Machines Corporation			CLOW, LORI A		
Intellectual Pro	perty Law Dept				
8501 IBM Driv	e		ART UNIT	PAPER NUMBER	
Charlotte, NC 28262-4333			1631		

DATE MAILED: 03/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicatio	n No.	Applicant(s)				
Office Action Summary		10/629,448	3	KELKAR ET AL.				
		Examiner		Art Unit				
		Lori A. Clov		1631				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address								
Period fo	• •		S EVDIDE 4 MONTH/	6) OD THIDTY (30) DAVC				
WHIC - Exter after - If NO - Failui	ORTENED STATUTORY PERIOD FOR REICHEVER IS LONGER, FROM THE MAILING Sisions of time may be available under the provisions of 37 CFR SIX (6) MONTHS from the mailing date of this communication. It period for reply is specified above, the maximum statutory per te to reply within the set or extended period for reply will, by stated by the Office later than three months after the managed patent term adjustment. See 37 CFR 1.704(b).	DATE OF THE 1.136(a). In no ever iod will apply and will tute, cause the appli	IS COMMUNICATION nt, however, may a reply be time expire SIX (6) MONTHS from cation to become ABANDONE	I. lely filed the mailing date of this communication. O (35 U.S.C. § 133).				
Status								
1)⊠	Responsive to communication(s) filed on 29	9 July 2003.						
•	•	his action is no	on-final.					
3)								
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims							
4)⊠	Claim(s) 1-20 is/are pending in the applicat	ion.						
•	4a) Of the above claim(s) is/are without		sideration.					
5) Claim(s) is/are allowed.								
6)	6) ☐ Claim(s) is/are rejected.							
-	Claim(s) is/are objected to.							
8)⊠	Claim(s) <u>1-20</u> are subject to restriction and	or election req	uirement.					
Applicati	ion Papers							
9)[The specification is objected to by the Exam	niner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
11)	The oath or declaration is objected to by the	e Examiner. No	te the attached Office	Action or form P10-152.				
Priority (under 35 U.S.C. § 119							
	Acknowledgment is made of a claim for fore ☐ All b)☐ Some * c)☐ None of:	eign priority und	der 35 U.S.C. § 119(a)-(d) or (f).				
1. Certified copies of the priority documents have been received.								
	2. Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies of the			ed in this National Stage				
	application from the International Bu			1	,			
* See the attached detailed Office action for a list of the certified copies not received.								
Attachmer				(DTO 440)				
· 	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948))	4) Interview Summary Paper No(s)/Mail D	ate				
3) 🔲 Infor	mation Disclosure Statement(s) (PTO-1449 or PTO/SE or No(s)/Mail Date		5) Notice of Informal I 6) Other:	Patent Application (PTO-152)				

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DETAILED ACTION

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-6, 10-16, and 20, drawn to a method and program product of determining functional similarity between portions of gene expression profiles comprising processing with an algorithm that is a time and intensity invariant correlation function, classified in class 702, subclass 19.
- II. Claims 7-9 and 17-19, drawn to a method and program product of determining functional similarity between a gene of interest whose expression is contained in a set and other genes in another data set, classified in class 702, subclass 19.

Inventions I and II are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different designs, modes of operation, and effects (MPEP § 802.01 and § 806.06). In the instant case, the different inventions contain different method steps and different stated outcomes. Group I contains steps for determining functional similarity between portions of gene expression profiles, whereas Group II is drawn to functional similarity between a gene of interest that has a certain expression profile within a data set. The two have different effects and are therefore unrelated.

Because these inventions are independent or distinct for the reasons given above and the inventions require a different field of search (see MPEP § 808.02), restriction for examination purposes as indicated is proper.

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Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Inquiries

Papers related to this application may be submitted to Technical Center 1600 by facsimile transmission. Papers should be faxed to Technical Center 1600 via the PTO Fax Center. The faxing of such papers must conform with the notices published in the Official Gazette, 1096 OG 30 (November 15, 1988), 1156 OG 61 (November 16, 1993), and 1157 OG 94 (December 28, 1993) (See 37 CFR § 1.6(d)). The Central Fax Center Number is (571) 273-8300.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lori A. Clow, Ph.D., whose telephone number is (571) 272-0715. The examiner can normally be reached on Monday-Friday from 10 am to 6:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ardin Marschel, Ph.D., can be reached on (571) 272-0718.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to (571) 272-0547.

Patent applicants with problems or questions regarding electronic images that can be viewed in the Patent Application Information Retrieval system (PAIR) can now contact the USPTO's Patent Electronic Business Center (Patent EBC) for assistance. Representatives are available to answer your questions daily from 6 am to midnight (EST). The toll free number is (866) 217-9197. When calling please have your application serial or patent number, the type of document you are having an image problem with, the number of pages and the specific nature of the problem. The Patent Electronic Business Center will notify applicants of the resolution of the problem within 5-7 business days. Applicants can also check PAIR to confirm that the problem has been corrected. The USPTO's Patent Electronic Business Center is a complete service center supporting all patent business on the Internet. The USPTO's PAIR system provides Internet-based access to patent application status and history information. It also enables applicants to view the scanned images of their own application file folder(s) as well as general patent information available to the public.

March 14, 2006

Lori A. Clow, Ph.D.

Art Unit 1631 Los of Clar Patent Examener